

WHAT IS CLAIMED IS:

Subail 1. A power entry panel for a power conditioner comprising:

an input terminal block which receives power; and

a mating connection for passing power from the input terminal block to the power conditioner, the mating connection directly connected and in contact with the input terminal block.

2. A power entry panel as described in Claim 1 including a ground panel to which the input terminal block is in contact.

3. A power entry panel as described in Claim 2 including an output connector to which power from the power conditioner is transmitted.

4. A power entry panel as described in Claim 3 wherein the output connector is chassis ground to the ground panel.

5. A power entry panel as described in Claim 4 wherein the input terminal block includes at least one terminal pin that directly connects and is in contact with the mating connection.

6. A power entry panel as described in Claim 5 wherein the input terminal block includes a support block through which the terminal pin extends, the support block supporting the terminal pin and isolating the terminal pin.

7. A power entry panel as described in Claim 6 wherein the terminal pin has a long end and a short end, the support block

has a wire side and a connector side, and the input terminal block includes a filtering layer for filtering the power, the power filtering layer disposed on the connection side, the long end extending from the connection side and connecting with the mating connection, and the short end extending from the wire side and connecting with a power wire to which power is delivered to the input terminal block.

8. A power entry panel as described in Claim 7 wherein the output connector includes a bus bar, and a pin which is press fit onto the bus bar to form the chassis ground.

9. A power entry panel as described in Claim 8 wherein the input terminal block provides 150 amps of 48 V DC power.

Sub 3 10. An input terminal block for a power entry panel comprising:

a terminal pin for conducting power adapted to be directly connected and in contact with a mating connection of the power entry panel;

a support block through which the terminal pin extends, the support block supporting the terminal pin; and

24 a filtering layer disposed on the support block for filtering power.

11. A method for transferring power comprising the steps of:

receiving power at an input terminal block; and

a3 passing power from the input terminal block through a mating connection that the input terminal block is directly connected and in contact with to a power conditioner.

12. A method as described in Claim 11 including the step of sending the power from the power conditioner through an output connector.

13. A method as described in Claim 12 including the step of grounding the output connector to a chassis ground panel.

14. A method as described in Claim 13 wherein the passing step includes the step of passing 150 amps of 48 V DC power from the input terminal block through the mating connection to the power conditioner.

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